

[illegible]

In a process for the treatment of diseases or disorders of the inner ear linked with damage or destruction of sensory cells of the inner ear, for regenerating the sensory cells use is made of at least one active ingredient, which at least partly inhibits or eliminates the inhibiting action of at least one cell cycle inhibitor present in the inner ear. In this process the sensory cells of the inner ear are preferably regenerated by stimulating the proliferation of supporting cells. The sensory cells of the inner ear are so-called hair sensory cells. As cell cycle inhibitors use can be made of cyclin-dependent kinase inhibitors such as in particular the cyclin-dependent kinase inhibitor p27kip1.